AMERICAN UNIVERSITY OBSERVATORY

MONTHLY BULLETIN

METEOROLOGICAL SECTION

FRANS BRUIN: DIRECTOR

GIORGIO CONTINO, ASSOCIATE DIRECTOR

HALIM HOURANI, OBSERVER

LIBRA
JAN 28
WEATHER BU

BEIRUT, LEBANON

Latitude: 33° 54' 22" N.

Longitude: $2^h\ 21^m\ 52^s.7$ E.

May 1959

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MAY 1959

METEOROLOGICAL REGISTER

Date	Barometer reduced to O°C Sea level and 45° Latitude 700 mm. +...				Thermometer Degrees Centigrade					
	8:30	14:30	20:30	Mean	Max.	Min.	8:30	14:30	20:30	Mean
1	65.8	64.0	64.3	64.7	22.7	16.0	19.7	22.0	17.3	19.4
2	62.2	59.5	58.7	60.1	23.4	17.5	20.7	22.3	18.6	20.5
3	57.9	57.0	57.0	57.3	24.0	17.9	21.9	23.0	18.6	21.2
4	57.8	57.1	58.4	57.8	25.6	17.7	21.0	25.0	19.5	21.8
5	59.9	59.4	60.4	59.9	23.5	17.0	20.9	21.7	18.5	20.4
6	60.4	60.0	60.1	60.2	24.3	16.1	20.2	24.0	17.6	20.6
7	59.6	58.1	57.4	58.4	23.7	16.0	20.4	22.4	16.9	19.9
8	56.4	55.4	54.8	55.5	24.3	16.2	20.5	24.0	17.5	20.7
9	54.3	54.5	55.4	54.7	24.6	16.6	21.2	23.3	18.0	20.8
10	57.9	58.1	59.0	58.3	25.4	17.1	21.8	25.0	18.7	21.8
11	59.9	60.7	60.9	60.5	26.2	18.2	22.7	25.0	19.0	22.2
12	61.0	60.6	61.2	60.7	27.0	19.8	24.0	25.4	20.5	23.3
13	59.8	58.2	58.0	58.7	30.7	20.1	23.8	30.2	22.6	25.5
14	56.4	55.6	54.9	55.6	28.5	20.0	26.1	26.9	22.0	25.0
15	57.0	56.7	57.8	57.2	29.0	20.5	24 4	27.5	21.1	24.3
16	58.4	56.9	58.3	57.9	32.0	20.0	25.5	25.0	21.3	23.9
17	58.3	58.1	57.3	57.9	26.8	14.0	24.5	26.3	19.9	23.6
18	56.2	56.5	56.3	56.3	23.2	15.5	19.2	22.3	19.1	20.2
19	56.4	57.0	58.3	57.2	24.4	17.4	19.4	23.4	19.4	20.7
20	58.9	58.8	59.0	58.9	25.5	18.0	22.7	25.0	19.6	22.4
21	58.5	58.2	58.3	58.3	26.1	19.2	24.0	25.1	20.5	23.2
22	59.4	59.6	59.6	59.5	57.2	20.8	25.5	25.4	21.5	24.1
23	60.2	59.7	59.6	59.8	27.9	21.1	25.0	26.1	22.8	24.6
24	58.4	57.7	57.8	58.0	27.9	19.6	25.2	26.6	22.1	24.6
25	58.3	57.9	58.3	58.2	27.6	20.2	23.0	26.6	22.4	24.0
26	59.4	58.6	58.9	59.0	27.3	19.1	24.8	26.1	20.8	23.9
27	59.1	58.2	58.4	58.6	26.9	18.9	23.6	26.0	21.4	23.7
28	56.6	56.4	56.0	56.3	28.3	21.5	24.8	27.2	22.2	24.7
29	54.5	55.7	57.4	55.9	30.5	19.9	26.3	28.1	22.5	25.6
30	59.3	59.5	59.9	59.6	27.9	21.1	24.0	27.5	22.2	24.6
31	59.7	59.9	59.0	59.5	27.7	22.5	24.3	26.3	23.0	24.5
	58.64	58.18	58.41	58.40	26.45	18.56	22.94	25.18	20.23	22.79

Barometer, range for month 765.8mm. — 754.3 mm.
„ 71-yr. average for month 759.50mm.
Thermometer, range for month 32.0°C — 14.0°C
„ 82-yr. average for month 21.8°C
Rain total for month 16.71 mm.
„ 82-yr average for month 17.3 mm.
„ Total, Sept. 1st. to end of month 642.31 mm.
„ 82-yr average. Sept. 1st. to end of month 888.74 mm.

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Date	Pressure of Water Vapor Millibars				Relative Humidity per cent.				sun.	Wind per day	Rain
	8:30	14:30	20:30	Mean	8:30	14:30	20:30	Mean	Hrs.	Kms.	m.m.
1	13.8	15.5	15.6	15.0	60	58	80	66	11.6	77	
2	16.6	19.6	19.6	18.6	69	72	92	78	10.8	182	
3	20.4	21.1	19.7	20.4	77	75	93	82	11.7	151	
4	20.5	20.7	19.6	20.3	82	65	87	78	10.2	85	
5	18.7	17.8	16.1	17.5	75	70	76	74	3.2	154	
6	15.2	16.6	15.8	15.9	64	56	79	66	9.6	117	
7	14.7	14.7	14.1	14.5	60	54	73	62	10.5	66	
8	14.0	16.6	15.0	15.2	58	56	76	63	10.9	77	
9	16.4	16.8	15.7	16.3	65	59	76	67	11.4	72	
10	17.7	17.6	17.7	17.7	69	55	83	69	12.5	106	
11	17.1	19.8	17.9	18.3	63	63	82	69	12.0	66	
12	20.6	20.4	18.9	20.0	70	63	78	70	9.2	45	
13	11.9	16.2	23.7	17.3	42	37	86	55	9.2	56	
14	19.1	21.6	18.4	19.7	53	61	70	61	11.6	47	
15	22.1	24.4	22.2	22.9	72	66	89	76	11.4	63	
16	17.0	21.6	21.9	20.2	51	68	86	68	2.7	84	0.34
17	20.0	21.3	19.2	20.2	65	62	82	70	11.1	117	
18	16.7	15.8	14.9	15.8	76	58	68	67	6.7	277	9.72
19	16.7	17.2	17.4	17.1	74	60	77	70	8.3	137	6.65
20	18.2	19.4	18.5	18.7	76	62	81	70	12.4	146	
21	19.7	20.8	20.6	20.4	66	65	85	72	11.2	126	
22	21.2	21.8	21.2	21.4	65	67	82	71	12.9	148	
23	21.6	23.9	17.6	21.0	68	71	64	68	12.0	206	
24	21.5	22.8	24.4	22.9	67	66	92	75	10.6	105	
25	23.3	24.1	16.2	21.2	83	69	59	70	11.8	167	
26	20.4	21.0	20.6	20.7	65	62	84	70	12.9	154	
27	20.0	21.3	21.8	21.0	70	63	84	72	11.2	85	
28	15.5	21.7	22.4	19.9	50	60	84	65	12.0	82	
29	20.3	24.2	21.3	21.9	59	64	77	67	11.0	151	
30	18.9	21.2	21.6	20.6	64	57	80	67	12.4	97	
31	22 5	24.0	19.8	22.1	74	70	71	72	10.4	319	
	18.46	20.05	19 01	19.18	65.9	62.4	79.9	69.3	10.50	121.45	0.54

Height of Barometer above sea level : 33.7 meters.
Height of Thermometers above ground :
Dry and wet 1.25 m. ; Max. 1.30 m. ; Min. 1.50 m.
Hygrometric data from readings of wet and dry bulb thermometers exposed in a Stevenson screen, reduced according to M.O. 265.
Rim of Rain Gauge : above ground 0.66 m. ; above sea level 30.31 m.
Rainfall is read at 20:30 for the preceding 24 hours.
71 year averages are for period, 1875-1945

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METEOROLOGICAL REGISTER

Date	Clouds clear—0 Overcast—10				beaufort, scale Direction and force of wind			Sea	Notes
	8:30	14:30	20:30	Mean	8:30	14:30	20:30		
1	0	0	0	0.0	2ne	2ne	2ne	light	
2	6ci	1ci	0	2.3	2ne	3ne	1ne	,,	D.p.m
3	0	9ci	0	3.0	1ne	3ne	1ne	,,	D. p.m
4	4ci	1cu	9st	4.7	2sw	1w	2w	,,	
5	10ci-st	10st	10st	10.0	3sw	3w	2sw	,,	H.p.m
6	1ci-st	0	2ci-cu	1.0	3sw	3sw	2w	light	
7	3cu-st	0	3ci-cu	2.0	2sw	3nw	1n	,,	
8	3cu-st	4cu-st	2cu-st	3.0	2sw	2sw	1sw	,,	
9	1cu-st	3ci-cu	0	1.3	2sw	2w	1sw	,,	
10	0	0	0	0.0	3sw	1w	1w	,,	
11	0	5ci	2ci	2.3	2sw	3sw	1ne	light	
12	10ci	10ci-st	1ci	7.0	2nw	2n	1ne	,,	
13	4cu-ci	0	0	1.3	2e	2ne	1e	,,	
14	7cu-ci	4cu	0	3.7	2ne	2ne	1e	,,	
15	4ci	5cu-ci	2cu-ci	3.7	2sw	2sw	1w	,,	D.p.m
16	10cu-st	10cu-st	10st	10.0	2e	3e	1n	light	
17	0	5ci-cu	10st-cu	5.0	2sw	3sw	2sw	,,	H.a.m
18	10cu-st	8cu-st	7cu-ni	8.3	3sw	3sw	3w	,,	T.p.m
19	10cu-st	6cu-st	0	5.3	2sw	3sw	2sw	,,	
20	0	7ci	1ci-cu	2.7	3sw	3sw	1w	,,	
21	9cu-st	2cu-st	9st	6.7	2ne	2ne	3ne	light	
22	0	0	0	0.0	2ne	2ne	2ne	,,	
23	0	0	4ci	1.3	2ne	2ne	1ne	,,	
24	3ci	0	3ci-cu	2.0	2n	2e	1ne	,,	D.p.m
25	5st	0	0	1.7	3sw	3sw	2sw	,,	H.a.m
26	0	0	0	0.0	3sw	2w	1ne	light	
27	4cu-st	0	0	1.3	3w	3sw	2w	,,	
28	0	0	0	0.0	2sw	2n	1nw	,,	
29	6cu-st	0	9st-cu	5.0	2e	3ne	3n	,,	
30	0	0	0	0.0	3sw	3w	2w	,,	
31	0	0	0	0.0	3sw	1sw	3sw	slight	Dust Storm, at noon
	mean			3.05					

Abbreviations : G = gale; H = haze; M = mist ; T = thunderstorm ; D = dew
W = strong wind; Tr = trace of rain

Number of Daily Wind Observations

Time	N	NE	E	SE	S	SW	W	NW	Calm	Totals
8:30	1	7	3	0	0	18	1	1	0	31
14:30	2	9	2	0	0	11	6	1	0	31
20:30	3	10	2	0	0	7	8	1	0	31
Total	6	26	7	0	0	36	15	3	0	93

Number of days with rain 3, fog 0, thunderstorms 1, gale. 0
71 yr. av. number of days with rain during month 3.08
Time of reading minus 2 hours equals G.C.T